

ABSTRACT OF THE DISCLOSURE

A laser beam scanner for scanning primary colors of red, green and blue laser beams on the same scanning plane includes three sets of a laser light source, an acousto-optic modulator, an adjustable mirror corresponding to the primary colors, and a polygon mirror, an f θ lens, and a pair of mirrors. One of the mirrors serves as a beam splitter for splitting the laser beams into a first way for introducing the laser beams to the scanning plane and the second way for introducing a position sensor disposed on a plane optically conjugated with the scanning plane. The adjustable mirrors are adjusted in a manner so that the red and blue laser beams are to be overlapped on the green laser beam by monitoring the positions of laser beams sensed by the position sensor.